



DEPARTMENT  
OF REGULATORY  
AND ECONOMIC  
RESOURCES

OFFICE OF RESILIENCE

# REGIONAL RESILIENCE STANDARDS AND PLANNING



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CHIEF RESILIENCE OFFICER, MIAMI-DADE COUNTY

# A long history of adapting and building resilience...

**ENVIRONMENTALLY  
ENDANGERED  
LANDS PROGRAM**



**STRONGER  
BUILDING  
CODES**



**SOUTHEAST FLORIDA  
REGIONAL CLIMATE  
CHANGE COMPACT**



**100  
RESILIENT  
CITIES**



1975

1990

1992

1995

1998

2010

2013

2016



**BEACH  
RENOURISHMENT  
BEGINS**



**STORMWATER  
MANAGEMENT  
PROGRAM**

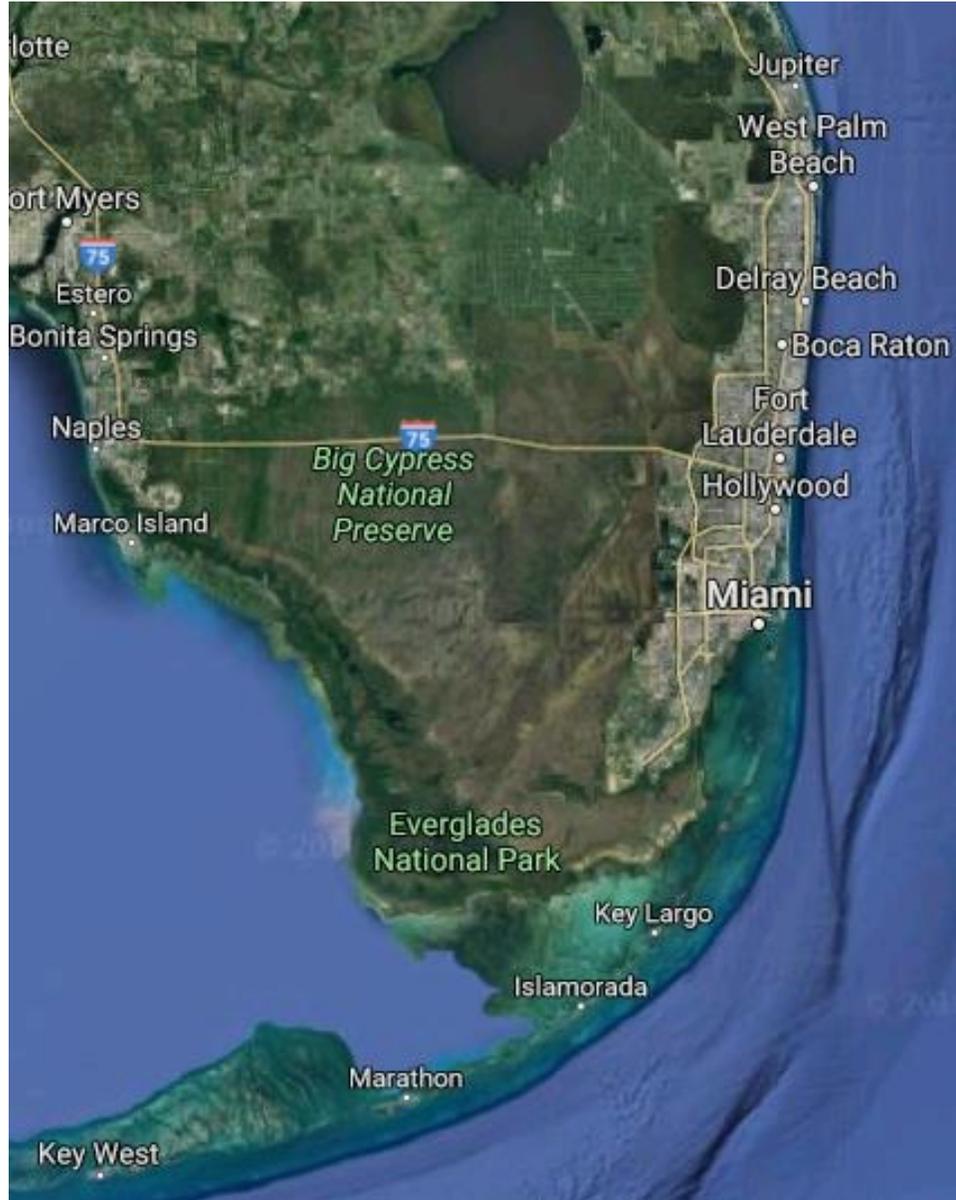


**LOCAL  
MITIGATION  
STRATEGY**



**SEA LEVEL  
RISE TASK  
FORCE**

# Regional collaboration makes sense





**We're strategizing...**

**Strengthening Infrastructure**

**Ensuring Resilient Communities**



**ADAPTATION FRAMEWORK**

**Promoting Economic Resilience**

**Enhancing Natural Protections**

**...and we're taking action**



# Strengthening our infrastructure



design standards



pump stations



raising roadways



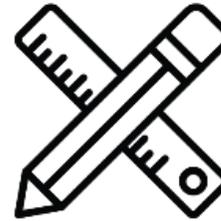
installing berm

## RAPID ACTION PLAN

**767**  
total assets  
(properties)



**602**  
assets exposed  
to SLR & SS



**154**  
**PRIORITY**  
Projects

The standardized procedure developed considered the whole county and focused our attention on projects at the most vulnerable of our critical assets.

### VULNERABILITY



### CRITICALITY





PIONEERED BY THE  
ROCKEFELLER FOUNDATION

100

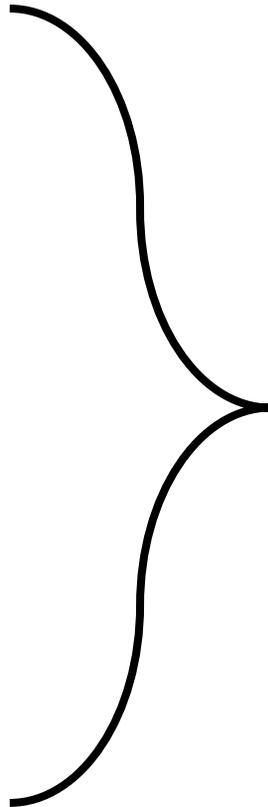
RESILIENT CITIES



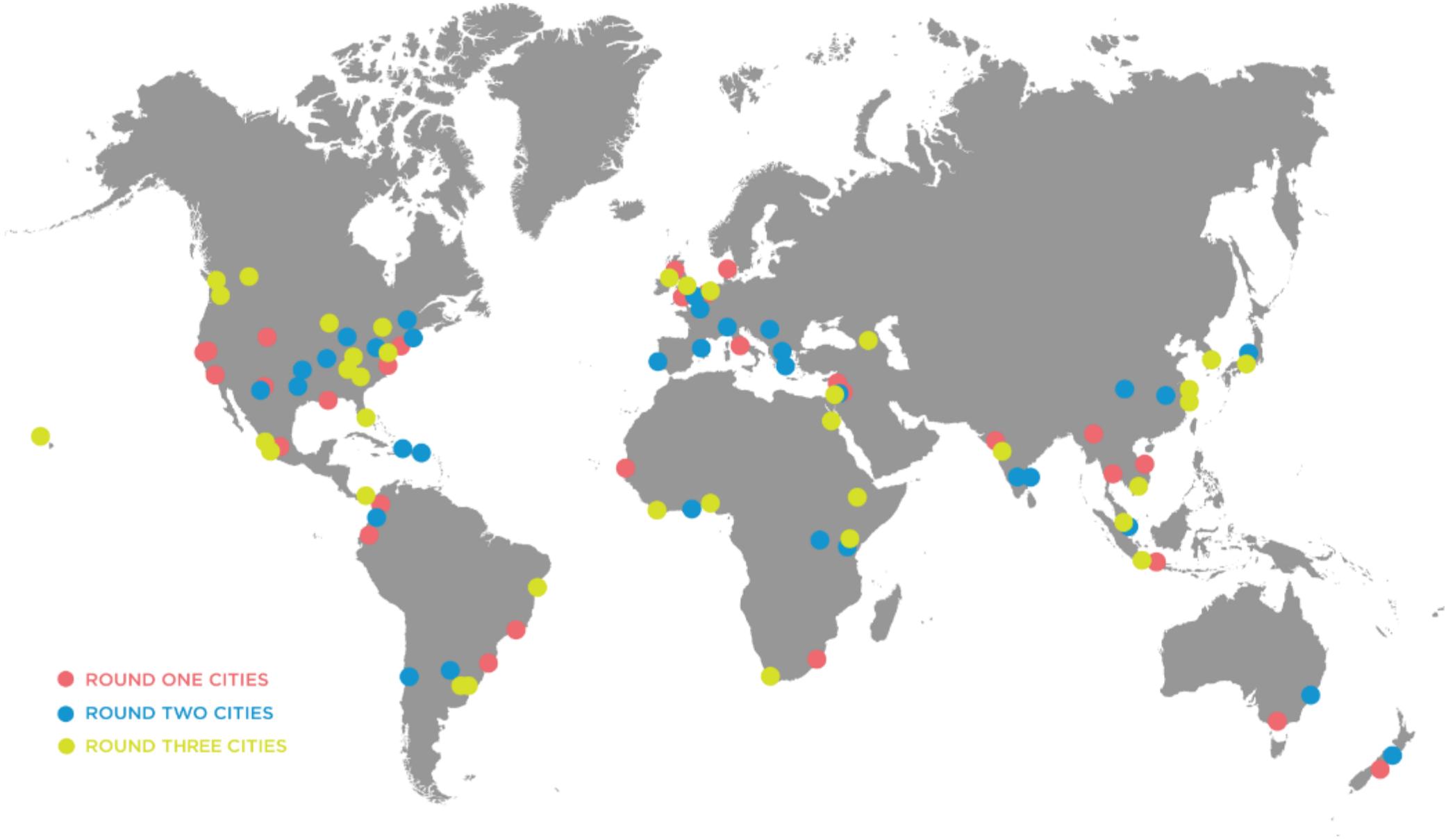
THE  
ROCKEFELLER  
FOUNDATION



MIAMI BEACH  
RISING  
ABOVE



# AN INTERNATIONAL NETWORK





**GREATER MIAMI  
& THE BEACHES**



@resilient305



# Six Discovery Areas





# PORTMIAMI

A global gateway  
for trade, commerce,  
travel and tourism



**5,340,559**

Cruise Passengers

**1,024,338**

Cargo TEUs

**\$41.4** Billion

Economic Impact

**324,352**

Jobs

# PORT OF MIAMI RIVER

22<sup>ND</sup> ANNUAL • FREE ADMISSION  
**MIAMI RIVERDAY**  
**2018**

**SATURDAY, APRIL 7 • 1PM–6PM**

**LUMMUS PARK HISTORIC DISTRICT**  
**250 NW NORTH RIVER DRIVE**

## FEATURING FREE

- RIVER BOAT RIDES • KIDS ACTIVITIES
- HISTORIC TOURS & REENACTMENTS
- ENVIRONMENTAL EDUCATION

## PERFORMING LIVE

- AARON LEBOS REALITY
- ELECTRIC KIF
- FOOD & DRINKS
- PADDLEBOARD & KAYAK RACES



Photo credit: Miami River Commission



# NOAA data is critical for private innovation

The Washington Post

Climate change could put businesses underwater. Start-up firm Jupiter aims to come to the rescue.



Miami Herald

Four ways Miami startups are trying to save the planet

The New York Times

*What Land Will Be Underwater in 20 Years? Figuring It Out Could Be Lucrative*





<http://www.floridaoceanalliance.org/>

## **MISSION**

The Florida Ocean Alliance is a nonpartisan organization dedicated to bringing together the private sector, academia, and nonprofit research organizations in Florida to protect and enhance Florida's coastal and ocean resources for continued social and economic benefits.

**Thank you!**

**Jim Murley**

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